

FORM PTO-1449 (REV 7-80)		Atty. Docket No. 3191-003-01	Application No. <u>Unassigned</u>
INFORMATION DISCLOSURE STATEMENT		APPLICANT: Raymond J. Wong <u>10/629962</u>	
		Filing Date: July 30, 2003	Parent Group Art Unit: 1754

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE, IF APPROPRIATE
<u>WAL</u>	Des. 282,578	2/11/86	Humphreys et al.	D24	21	
<u>WAL</u>	3,669,878	6/13/72	Marantz et al.	210	22	
<u>WAL</u>	3,669,880	6/13/72	Marantz et al.	210	22	
<u>WAL</u>	3,697,410	10/10/72	Johnson et al.	204	301	
<u>WAL</u>	3,697,418	10/10/72	Johnson	210	22	
<u>WAL</u>	3,703,959	11/28/72	Raymond	210	87	
<u>WAL</u>	3,850,835	11/26/74	Marantz et al.	252	182	
<u>WAL</u>	3,989,622	11/2/76	Marantz et al.	210	22 R	
<u>WAL</u>	3,989,625	11/2/76	Mason	210	94	
<u>WAL</u>	4,025,608	5/24/77	Tawil et al.	423	305	
<u>WAL</u>	4,213,859	7/22/80	Smakman et al.	210	27	
<u>WAL</u>	4,256,718	3/17/81	McArthur et al.	423	419 P	
<u>WAL</u>	4,360,507	11/23/82	McArthur et al.	423	419 P	
<u>WAL</u>	4,460,555	7/17/84	Thompson	423	309	
<u>WAL</u>	4,484,599	11/27/84	Hanover et al.	137	636.1	
<u>WAL</u>	4,495,129	1/22/85	Newberry et al.	264	235	
<u>WAL</u>	4,558,996	12/17/85	Becker	417	374	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<u>WAL</u>	Raymond J. Wong, "Method of Making Granular Sodium Zirconium Carbonates (SZC) From Zirconium Oxychloride for Dialysis Application and Zirconium Basic Carbonate (ZBC) Manufacture," Southern Ionics Technical Report No. TR-000008, July 25, 2000, pp. 1-10.
<u>WAL</u>	Southern Ionics, Inc., Brochure, "SII: Creative Solutions Today." <i>(no date)</i>
<u>WAL</u>	Cobe Renal Care, Inc., "Guide to Custom Dialysis," Product No. 306100-005; Revision E, 9/93, pp. 1-54. <i>(no date)</i>
<u>WAL</u>	Cobe Renal Care, Inc., "Sorbent Dialysis Primer," Product No. 306100-006; Edition 4, 9/93, pp. 1-51. <i>(no date)</i>
EXAMINER <i>Wayned. Targel</i>	DATE CONSIDERED <i>4-1-04</i>

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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U.S. PATENT DOCUMENTS						
EXAMINER'S INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE, IF APPROPRIATE
<i>WAL</i>	3,520,298	07/14/70	K. Lange	128	213	
<i>WAL</i>	3,545,438	02/12/68	James H. De Vries	128	213	
<i>WAL</i>	3,669,880	06/13/72	Marantz et al.	210	22	
<i>WAL</i>	3,685,680	08/22/72	Tenckhoff et al.	220	27	
<i>WAL</i>	3,850,835	11/26/74	Marantz et al.	252	182	
<i>WAL</i>	3,888,250	06/10/75	Hill	128	214	
<i>WAL</i>	3,939,069	02/17/76	Granger et al.	210	22	
<i>WAL</i>	3,989,622	11/02/76	Marantz et al.	210	22	
<i>WAL</i>	4,088,456	05/09/78	Giorgi et al.	55	179	
<i>WAL</i>	4,190,047	02/26/80	Jacobsen et al.	128	213	
<i>WAL</i>	4,192,748	03/11/80	Hyden	210	87	
<i>WAL</i>	4,412,917	11/01/83	Ahjopalo	210	104	
<i>WAL</i>	4,473,449	09/25/84	Michaels et al.	204	101	
<i>WAL</i>	4,474,853	10/02/84	Watanabe	428	403	
<i>WAL</i>	4,521,528	06/04/85	Kovach	502	208	
<i>WAL</i>	4,650,587	03/17/87	Polak et al.	210	638	
<i>WAL</i>	4,680,122	01/14/87	Barone	210	637	
<i>WAL</i>	4,765,907	08/23/88	Scott	210	648	
<i>WAL</i>	5,004,459	04/02/91	Peabody et al.	604	29	
<i>WAL</i>	5,034,124	07/23/91	Kopf	210	231	
<i>WAL</i>	5,151,082	09/29/92	Gorsuch et al.	604	4	
<i>WAL</i>	5,173,125	12/22/92	Felding	134	22.11	
<i>WAL</i>	5,498,338	03/12/96	Kruger et al.	210	641	
<i>WAL</i>	5,520,632	05/28/96	Leveen et al.	604	9	
<i>WAL</i>	5,549,674	08/27/96	Humes et al.	623	11	
<i>WAL</i>	5,595,909	01/21/97	Hu et al.	435	297.4	
<i>WAL</i>	5,641,405	06/24/97	Keshaviah et al.	210	645	
<i>WAL</i>	5,679,231	10/21/97	Alexander et al.	204	627	
<i>WAL</i>	5,712,154	01/27/98	Mullen et al.	435	297.4	
<i>WAL</i>	5,944,684	08/31/99	Roberts et al.	604	5	

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO
WAL		EP000152717A1	08/28/85	Europe	604	29	Abstract
WAL		FR2585251	01/30/87	France	A61M	1/34F	Abstract
WAL		08187284	07/23/96	Japan	A61M	1/14	Abstract

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WAL	"Augmentation of Efficiency by Continuous Flow Sorbent Regeneration Peritoneal Dialysis", A. Gorden et al., Vol. XXII Trans. Amer. Soc. Artif. Int. Organs, 1976, pages 599-604. (no month)
WAL	"Centrifugal Artificial Kidney", R. M. Kellogg, IBM Technical Disclosure Bulletin, Vol. 14, No. 11, April 1972, pages 3433-3435.
WAL	"Combined Technological-Clinical Approach To Wearable Dialysis", Robert L. Stephen et al., Kidney International, Vol. 13, Suppl. 8 (1978), pages S-125-S-132. (no month)
WAL	"Development of Continuous Recirculating Peritoneal Dialysis Using a Double Lumen Catheter", Michio Mineshima et al., ASAIO Journal, 1992, pages M377-M381. (no month)
WAL	"Important Devices in Biomedical Engineering", John G. Webster, International Biomedical Engineering Days, 1992, pages 1-9. (no month)
WAL	"Recirculation Peritoneal Dialysis with Sorbent Redy Cartridge", Rasib M. Raja et al., Nephron 16, (1976), pages 134-142. (no month)
WAL	"Recirculating Peritoneal Dialysis with Subcutaneous Catheter", R. L. Stephen et al., American Society For Artificial Internal Organs, Vol. XXII, 1976, pages 575-584. (no month)
WAL	"Sorbent Based Regenerating Delivery System For Use In Peritoneal Dialysis", A. J. Lewin et al., Vol. XX Trans. Amer. Soc. Artif. Int. Organs, 1974, pages 130-134. (no month)
WAL	"The Use of Reciprocating Peritoneal Dialysis with a Subcutaneous Peritoneal Catheter in End-Stage Renal Failure in Diabetes Mellitus", G. D. Warden et al., Journal of Surgical Research, Vol. 24, June 1978, pages 495-500.
WAL	"Blood Flow and Pressure Measurement", IBM Technical Disclosure Bulletin, February 1971.
WAL	"Continuous Flow Dialyzer", IBM Technical Disclosure Bulletin, July 1975.
WAL	"Reciprocating Peritoneal Dialysis", Carl Kablitz, M.D. et al., Dialysis & Transplantation, Vol. 7, Number 3, March 1978, pages 211-212 and 214.
WAL	"Reciprocating Peritoneal Dialysis with a Subcutaneous Peritoneal Catheter", Robert L. Stephen, M.D., Dialysis & Transplantation, Vol. 7, Number 8, August 1978.
WAL	"Studies on low-cost Disposable Bioreactor for Bilirubin Detoxification", B. Das et al., Proceedings RC IEEE-EMBS & 14 th BMESI, 1995, 4.53-4.54. (no month)
WAL	"Technological Augmentation of Peritoneal Urea Clearance: Past, Present, and Future", Carl Kablitz, M.D. et al., Dialysis & Transplantation, Vol. 8, Number 8, August 1980, pages 741-744 and 778.
WAL	E-mail-(1995) D. Halligan, "The Human and Artificial Kidney" from Google Search. (no month)
WAL	"A Membrane System to Remove Urea from the Dialyzing Fluid of the Artificial Kidney" Kolff, W. J. et al., Annual rept. no. 2, 1 Jul 78-30 Jun 79)
WAL	"The Regenerative Dialysis (REDY) Sorbent System" Roberts M., Nephrology, 1998, V4, N4 (Aug), P275-278.
WAL	"In search of a 24 Hours Per Day Artificial Kidney" Lande A. J. et al., Journal of dialysis (U.S.) 1977, 1 (8) p.805-23, ISSN 0362-8558. (no month)
WAL	"Efficacy of Lumbo-Peritoneal Versus Ventriculo-Peritoneal Shunting for Management of Chronic

WAL	Hydrocephalus Following Aneurysmal Subarachnoid Haemorrhage" Kang S., Acta Neurochirurgica. 142 (1):p.45-49 2000. (no month)
WA L	"Performance of the Dialytic Reactor with Product Inhibited Enzyme Reactions: A Model Study" Catapano Gerardo et al., Bioseparation 4 (3):p.201-211 1994. (no month)
EXAMINER	DATE CONSIDERED
<i>Wayne A. Langel</i>	4-1-04

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U.S. PATENT DOCUMENTS						
Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
WAL	2,328,381	8/31/43	Jaffe	285	161	
WAL	4,042,672 A	08/16/77	Brugger et al.	423	419	
WAL	4,560,472	12/24/85	Granzow et al.	210	140	
WAL	4,738,668	4/19/88	Bellotti et al.	604	283	
WAL	5,032,261	7/16/91	Pyper	210	137	
WAL	5,035,805	7/30/91	Freeman et al.	210	689	
WAL	5,427,683	6/27/95	Gershon et al.	210	264	
WAL	5,498,338	3/12/96	Kruger et al.	210	641	
WAL	5,597,805	1/28/97	Breborowicz et al.	514	19	
WAL	5,631,025	5/20/97	Shockley et al.	424	678	
WAL	5,641,405	6/24/97	Keshaviah	210	645	
WAL	5,704,915	1/6/98	Melsky et al.	604	175	
WAL	5,782,796	7/21/98	Din et al.	604	29	
WAL	5,824,213	10/20/98	Utterberg	210	241	
WAL	5,938,634	8/17/99	Packard	604	29	
WAL	5,955,450	9/21/99	Breborowicz et al.	514	54	
WAL	5,968,966	10/19/99	Bergström	514	400	
WAL	5,980,481	11/9/99	Gorsuch	604	28	
WAL	5,984,891	11/16/99	Keilman et al.	604	65-67	
WAL	6,017,942	1/25/00	Bergström	514	399	
WAL	6,074,359	6/13/00	Keshaviah et al.	604	29	
WAL	6,117,122	9/12/00	Din et al.	604	408	
WAL	6,146,536	11/14/00	Twardowski	210	646	
WAL	6,196,992	3/6/01	Keilman et al.	604	67	
WAL	6,274,103	8/14/02	Taylor	422	261	
WAL	6,284,131	9/4/01	Hogard et al.	210	143	
WAL	6,284,139	9/4/01	Piccirillo	210	645	

WAL	6,293,921	9/25/01	Shinmoto et al.	604	29	
WAL	6,299,769	10/9/01	Falkvall et al.	210	232	
WAL	6,306,836	10/23/01	Martis et al.	514	58	
WAL	6,309,673	10/30/01	Duponchell et al.	424	717	

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	Document Number	Date	Country	Class	Sub Class	Translation Yes or No
WAL	1770285A1	10/23/92	Soviet Union			Abstract Only
WAL	3-242206	10/29/91	Japan			Abstract Only
WAL	JP 59046964	1984	Japan			Abstract
WAL	FR 2 585 251-A1	5/1985	France	A61M	1/34,1/14	
WAL	GB 1 467 880	3/1977	Great Britain	B01D	13/00	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

WAL	Copy of U.S. Patent Application No. 09/996,505, (no date)
WAL	Copy of U.S. Patent Application No. 09/995,888, (no date)
WAL	International Search Report for PCT/US01/44660, (no date)
WAL	International Search Report for PCT/US01/44623, (no date)
WAL	Pospelova and Zaitsev. "Carbanto-Compounds of Zirconium", Russian Journal of Inorganic Chemistry, vol. 11, #8, August 1966, pg. 995-1004.

Examiner	Wayne L. Lang	Date Considered	4-1-04
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